Photo by Nirzar Pangarkar on Unsplash

NYC Forward

Paul Rothman

Senior Product Manager, NYC Forward

Making tech work for all New Yorkers

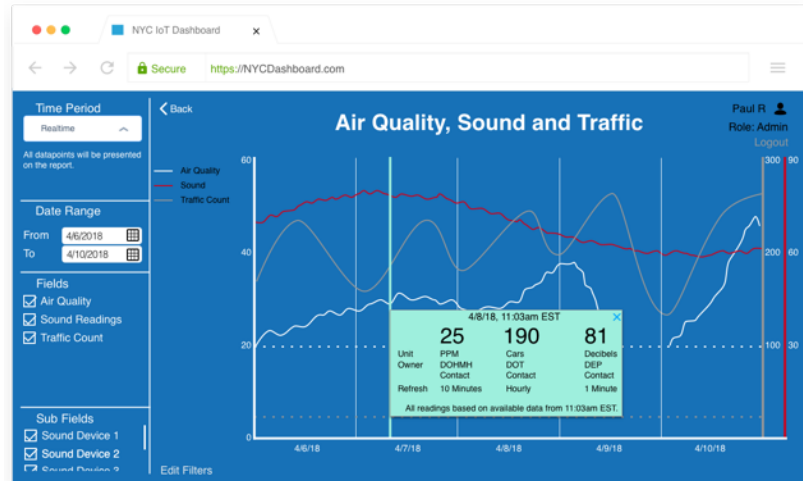**NYC** Mayor's Office of the
Chief Technology Officer

What NYC has done:

- DEP Water Metering and Noise Monitoring, BioGas, GI Program

- DOT Traffic Management, EV Charging, Micro-mobility, Bus Signal Priority

- DCAS IDEA Program, EV Fleet

- DOHMH Air Quality Monitoring

- Parks Dept. Trees Map and Innovation Program

- Utilities Implementing Smart Metering

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Happening Now

Photo by Jeroen den Otter on Unsplash

Citywide IoT Strategy

Developing a strategy for citywide IoT that focuses on standardization of policies including deployment, security, data interoperability, as well as innovation practices for sensing and data sharing.
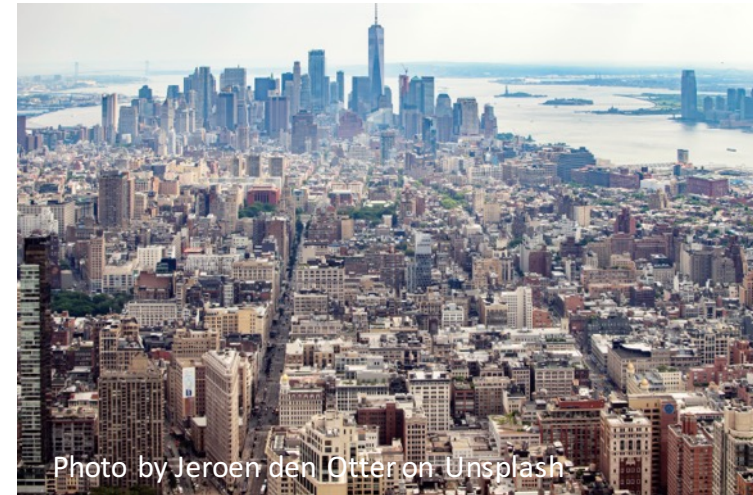
Moonshots / Open Innovation Calls

Evaluating and testing innovative technologies through challenge competitions. Recent examples took on EV charging and Air Quality / Urban Heat Island Effect in New York City.

Happening Now

Photo by [Rafal Wilinski](#) on [Unsplash](#)

Climate Mobilization Act – LL97 et al

Set of new local laws that require buildings 25K sq. ft.

and larger to reduce emissions 40% by 2030

- IoT will play a role in building efficiency technology.

OneNYC 2050 Plan

City is committed to Carbon Neutrality by 2050
(eliminate, reduce, offset)

City is committed to 100% Clean Electricity by 2040
(aligns to the CLCPA passed recently by the state)

City set a target of 500MW of storage by 2025
(city-wide, not just for City ops)

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Coming Soon

NYC Congestion Pricing

Starting 2021 & affecting vehicles entering Manhattan Central Business District (below 60th Street)

Intended to raise $1 Billion annually for MTA

Will require extensive installation of tolling technology with DOT including e-tag and license plate readers

London and Stockholm saw a 20% and ~12% reduction in CO2 emissions respectively after implementing congestion pricing (Source: USDOT)

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Mayor's Office of the Chief Technology Officer

The critical obstacle/challenge preventing IoT, Innovation and Technology from being the catalyst in supporting the achievement of NYCs decarbonization goals is collaboration and systems interoperability.

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